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Incoming
12/15/0032

From: Thomas W Lloyd <twlloyd@fs.fed.us>
To: "Priscilla Burton" <priscillaburton@utah.gov>
Date: 12/10/2007 1:46 PM
Subject: Re: FS Reclamation Standards
Attachments: Crandall seed tag _20071105132631.pdf

CC: "Joe Helfrich" <JOEHELFRICH@utah.gov>, "Pam Grubaugh-Littig" <PAMGRUBAUG...>

Pursuant discussions below---FS does not support requirements for planting live tree seedlings or shrubs. Typically, the survival rate of seedlings are poor, it creates a mess when they die, and it is difficult (if not impossible) to get properly grown (adapted) stock.

In the aspen stands (areas more desirable for wildlife) we will start seeing regeneration. I believe we will see new aspen generation along the flanks of the reclaimed areas next year. As time progresses with favorable water years, the new growth will provide better habitat for wildlife than the old.

Tom Lloyd
North Zone Minerals Manager
Manti LaSal National Forest
Office: 435-636-3596
Cell: 435-749-1658

"Priscilla
Burton"
<priscillaburton@
utah.gov>
12/10/2007 11:33
AM
To
"Dave Shaver"
<dshaver@coalsource.com>, "Thomas W
Lloyd" <twlloyd@fs.fed.us>
cc
"Joe Helfrich"
<JOEHELFRICH@utah.gov>, "Pam
Grubaugh-Littig"
<PAMGRUBAUGHLITTIG@utah.gov>
Subject
Re: FS Reclamation Standards

Tom and Dave,
The Division requires a 10 year liability period. Other than that, the 90 % measure also applies. Our Division biologist (Joe Helfrich) will want to work with you both to establish and locate (GPS) a suitable adjacent undisturbed area to be monitored along with the reclaimed site,

over time. Ordinarily, cover, diversity and woody plant density are all measured and compared to the undisturbed reference area. The seed mix included shrubs, but we did not discuss planting of tree seedlings. The seed tag from the work completed this fall is attached.
Priscilla.

>>> Thomas W Lloyd <twlloyd@fs.fed.us> Monday, December 10, 2007 10:48 AM >>>

Below is the write up we used and approved on the Dominion Oil and Gas operation disturbance. This is a general standard we use for disturbances on FS administered lands.

§ In general, the disturbed areas will be considered adequately re-vegetated when at least 90 percent of the original ground cover is re-established with seeded and desirable species, over 90 percent of the seeded area, within three years of planting. No noxious weeds will be allowed on the site; they must be treated as they occur. The operator is responsible for maintenance of reclamation facilities such as fences, barricades and temporary drainage structures until the desired reclaimed conditions are achieved. If the desired ground cover is not established at the end of each three year period, an analysis of why the area has not recovered will be performed by the operator and additional treatment and seeding will be required based on the results of the analysis.

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(See attached file: Crandall seed tag _20071105132631.pdf)

CUSTOMER: SCAMP EXCAVATION
 MIXTURE NAME: CRANDALL DRILL PADS AND BOARDS
 P.O. NUMBER: 160104C

LOT: 42053A

PURITY MIXTURE CONTENTS
 24.51% QUINQUARD TRITICALE
 27.55% WINTER EYE
 7.65% BROMAR MOUNTAIN BROME
 5.99% SLENDER WHEATGRASS
 5.91% CRITANA THICKSPINE WHEATGRASS
 15.81% PALUTE ORCHARDGRASS
 12.06% TIMOTHY CLIMAX
 3.98% CREEPING RED FESCUE
 2.86% HARD FESCUE
 2.74% SHERMAN BIG BLUEGRASS
 1.50% MOUNTAIN LUPINE
 0.61% WESTERN YARROW
 0.34% SHOVEL GOLDENEYE

ORIGIN GERN/HARD
 OREGON 95%
 CANADA 94%
 WASHIN 95%
 CANADA 95%
 CANADA 95%
 OREGON 91%
 CANADA 90%
 CANADA 85%
 OREGON 87%
 WASHIN 88%
 UTAH 97%
 W. Z. 90%
 UTAH 88%